

### AMENDMENTS TO THE CLAIMS

**Please amend Claim 17 as follows:**

1-16 PREVIOUSLY CANCELED

17. (Currently amended) An isolated nucleotide sequence encoding a serotonin receptor protein St-B17, ~~said protein exhibiting high affinity binding for clozapine, loxapine and amoxipine as determined by having a  $K_i$  value under 100 nM~~, said nucleotide sequence being selected from:

(a) a nucleotide sequence comprising SEQ ID NO:7;

(b) a nucleotide sequence comprising SEQ ID NO:12;

(c) a nucleotide sequence hybridizing under moderate stringency conditions at 6XSSC and 55°C, pH7, to a 1192 bp XmaI-BstXI or a 655 bp BamHI-EagI fragment from SEQ ID NO:7; or

(d) a nucleotide sequence encoding a protein having the amino acid sequence shown by SEQ ID NO:8 or SEQ ID NO:13.

18. (Previously added) The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (a).

19. (Previously added) The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (b).

20. (Previously added) The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (c).

21. (Previously added) The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (d).

22. (Previously added) A recombinant construct comprising the nucleotide sequence according to Claim 17, operably linked to a heterologous promoter.

23. (Previously added) The recombinant construct according to Claim 22, which is an expression vector.

24. (Previously added) The recombinant construct according to Claim 23, which is a eukaryotic expression vector.

25. (Previously added) A mammalian cell line comprising the nucleotide sequence of Claim 17, said mammalian cell line expressing St-B17 serotonin receptor.

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26. (Previously added) The cell line of Claim 25, wherein said cells are derived from a human.

27. (Previously added) The cell line of Claim 26, wherein said cells are HEK 293.

28. (Previously added) An isolated protein encoded by the nucleotide sequence of any of Claims ~~15~~<sup>16</sup>-21.